

Title of the App: Choice Bound

[Link to the Video of CHOICE BOUND](#)

Software & Programming Language: I designed my app using the online block coding program, Code.org. The programming languages I used were Python and Blocks.

Purpose of the App In One Sentence:

The purpose of this app is to help people of any age using easily readable User interfaces find their ideal career and college while having fun.

Description of Functions:

In the Choice bound app, the user can easily click through the screens and take the quizzes to figure out their ideal career and college, after they have taken the quizzes they can play a game which leads to the last slide. As an example, the user can click on the Career Quiz button on the home screen to go to the Career Quiz Information screen, then the user can click the start button to start the quiz. After the button is clicked, the screen changes to the name screen where the user can input their name, after they have clicked next screen button, it takes the user to the first question, (what subject do you enjoy the most in school) after they have answered the question they can click the next screen button to get to the next question. This is followed a couple of times after they have answered all the question, they get to their recommendation slide, which has about 3 career fields that could suit them. On the same screen, they can click the home button to go back to the home screen. The user can also click on the College Quiz button that will take them to the College Quiz Information screen, then they can click the start button to start the quiz, in the college quiz there are 3 question what major they want, what Location they want to go to

school at and the Degrees they want their ideal college to offer. After they have answered the all the question, they can click on the next screen button, which takes them to the college recommendation screen. The user can click the home button and go back to the home screen to play the game. On the home screen there is a button which says play game, if they click it takes them to the game screen. To start the game, they click the start button, they can also view their score in the top right corner of the screen. After the score is at 10 the screen changes to the thank you screen.

Difficulties & Solution While Programming

There were many big and small difficulties and errors while I was programming the app. To start off, the main and biggest difficulty was to figure out how I was going to design and code all 28 state recommendation screen. I overcame this problem by planning what I was going to code each day. Another problem I faced was when I tested my app at the end and not all the screen were shown even if they had been coded to. I overcame this problem by looking at my code and searching what could be wrong, but when I could not find anything there I went and looked back at my again even more thoroughly and found out that I did not code a button correctly.

Thankfully, most of the errors did not take me that long to find and fix. Overall, I think the app came out nice for people who need help finding what they want to become and what college they should go to.

Improvement for Version 2.0:

For the improved version 2.0, I could add more states and also add countries, so my app helpful not only in some parts of the U.S., but the entire world. I also want to have every small and big

college in each state available. Also, I want to add a save button beside every career recommendation and college recommendation so if the user wants to take the quizzes again, they can still see the recommendation and compare the first quiz to the second one. I want to thank you all so much for your time and for this amazing opportunity.